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PhD, Full Professor
Editor
Journal of Hydroinformatics
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Curriculum Vitae

Personal Data and Education

Born in Matera July 8th 1963.

1989 – Degree in Civil Engineering cum laude, University of Bari, Italy.

1995 – PhD in Hydraulic Engineering. University of Naples “Federico II”, Italy.

Main Employment History

1995 – 2000: Research Fellow, Engineering Faculty of Taranto, Technical University of Bari, Italy.

2001 – 2003: Associate Professor, Engineering Faculty of Taranto, Technical University of Bari, Italy.

2003: Full Professor, Engineering Faculty of Taranto, Technical University of Bari, Italy.

2006 – 2009: Dean of the Engineering Faculty of Taranto, Technical University of Bari, Italy.

2006 – 2009: Member of the Academic Council of the Technical University of Bari, Italy.

2014 –: Member of the Administration Council of the Technical University of Bari, Italy.

Recent International Scientific Activity and Appointments

Editor of the Journal of Hydroinformatics (<http://www.iwaponline.com/jh/default.htm>) (2015 –)

Editor in Chief of the Journal of Hydroinformatics (<http://www.iwaponline.com/jh/default.htm>) (2009 –)

Member of the:

- International Scientific Committee of the International Conferences on Hydroinformatics (2004 –).
- International Scientific Committee of Computing and Control for the Water Industry Conferences (2005 –).
- International Scientific Committee of Water Distribution System Analysis Conferences (2008 –).
- International Scientific Committee of International Perspective on Water Resources & the Environment (2010, 2012).
- International Program Committee of Genetic Programming at GECCO (2014, 2015)
- Scientific Advisory Committee of “River basins, reservoir sedimentation and water resources” (IAEG 2014)
- Oversight Scientific Committee of Water System Analysis Conferences (2008 –).
- Member IWA Leadership Team for the Hydroinformatics section (2011 –).
- Chair IWA Leadership Team for the Hydroinformatics section (2015 –).

Invited speaker Plenary Session at Computer and Control in Water Industry (CCWI), 2007.

Invited speaker World City Water Forum, 2009.

Invited speaker Plenary Session at Efficient and Sustainable Water System Management (EWaS), 2016.

Reviewer for more than 10 international journals and Outstanding Reviewer Prize for IWA, 2006.

Honorary Visiting Professor at University of Exeter, UK (2008 –).



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Chair of the technical program of and Control for the Water Industry (CCWI 2013)

Chair of the technical program Water Distribution System Analysis (WDSA 2014)

Recent Research Interests

Data-Modelling and soft-computing for environmental systems

- Artificial Neural Networks
- Support Vector Machines
- Evolutionary Polynomial Regression

Hydroinformatics and decision support systems

Flooding and risk mapping

Water Distribution Systems analysis, planning and design

- Network Simulation Models
- Reliability Analysis and Rehabilitation Planning
- Pumping Optimization
- Leakage reduction and control

Research Transfer

Cofounder in July 2013 and President of the spinoff company *Innovation Decision Environment Awareness Research Transfer srl* aiming at a just in time transfer of the most recent enhancements of the technical-scientific research in the field of Hydroinformatics, data-modelling and water distribution system analysis, planning and management. The key idea is to transfer tools to students, technicians and researchers by means professional MS-Office Excel functions.

Water distribution network analysis, planning and management

WDNetXL: a smart tool for integrated water distribution network (WDN) analysis, planning and management. It is a suite of MS-Office Excel functions which entail several typical and innovative function as decision support tools for WDNs management. It is the European alternative to EPANET package.

WQNetXL: a smart tool for water quality in WDN. It is a suite of MS-Office Excel functions which entail several typical and innovative water quality functions which are based on the enhanced hydraulics of **WDNetXL**. It is the European alternative to EPANET package for water quality.

Hydroinformatics and Data analysis-modelling

ANN MOGA-XL: a multi-objective strategy to design Artificial Neural Networks (ANNs). It is a suite of MS-Office Excel functions allowing to design and train any data-modelling purpose.

EPR MOGA-XL: a genetic programming strategy to model data in order to get symbolic formulation of models. It is a suite of MS-Office Excel functions allowing to perform symbolic data-driven modelling. It is especially useful for data from environmental phenomena and worldwide used in many fields of civil engineering.

Research Transfer Projects

2015 - "Efficient, effective, economic water demand management in the growing Oslo city – E3WDM", number: 245652. Project Owner: City of Oslo Water and Sewerage Works, funded by Regional Research Fund (Norway).

Role: Scientific Responsible of Italian Research Unit.



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- 2014 - "Innovation in Water Infrastructure - New Generation - InnoWatING", number: 234975. Project Owner: City of Oslo Water and Sewerage Works, funded by Research Council of Norway.
 Role: Scientific Responsible of Italian Research Unit.
- 2013 - "Energy saving and leakage control in water distribution networks: development of a decision support system" included in January 2013 among significant research projects eligible for funding within the framework of the "**Agreement on Scientific and Technological Cooperation**" between **Italian Government and Chinese Government**. (not started yet).
 Role: Scientific Responsible of Italian Research Unit.
- 2012 - "Tools and procedures for an advanced and sustainable management of water distribution systems" – Scientific Research Program of Relevant National Interest – **PRIN2012** (Prot. 20127PKJ4X) – Italian Ministry of University and Research (MIUR).
 Role: Scientific Responsible of local research unit.
- 2010 - "Innovative tools for water distribution network simulation and analysis" - Scientific Research Program of Relevant National Interest – **PRIN2008** (Prot. 20084AX2MF_002) - Italian Ministry of University and Research (MIUR).
 Role: Scientific Responsible of local research unit.

Bibliographic Indices

GOOGLE SCHOLAR CITATIONS H-index = 25, Number of Citations = 1869

SCOPUS H-index = 20, Number of Citations = 1218

ISI WEB OF SCIENCE H-index = 17, Number of Citations = 888

Papers Summary (2004 -)

Journal name	Number of papers
<i>Journal of Hydroinformatics</i>	16
<i>Journal of Hydraulic Engineering</i>	8
<i>Journal of Water Resources Planning and Management</i>	9
<i>Environmental Modelling & Software</i>	4
<i>Water Resource Research</i>	3
<i>Urban Water Journal</i>	3
<i>Hydrological Sciences Journal</i>	3
<i>Hydrological Processes</i>	2
<i>Engineering Computations</i>	2
<i>Water Management Journal</i>	2
<i>Water Science and Technology</i>	1
<i>NeuroComputing</i>	1
<i>Computers and Geotechnics</i>	1
<i>International Journal of River Basin Management</i>	1
<i>Catena</i>	1
<i>Total</i>	56
<i>International Proceedings</i>	76
<i>National Journal/Proceedings/Books and Other</i>	24



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Journal papers (2004 -)

ID	Authors, Year, Title, Journal, Editor, Issue, Pages	DOI
1	Giustolisi, O. , Berardi, L., Laucelli, D., Savic, D., Kapelan, Z. (2015). "Operational and Tactical Management of Water and Energy Resources in Pressurized Systems: Competition at WDSA 2014." <i>Journal of Water Resource Planning and Management</i> , ASCE, USA, Online publication: 27/08/2015.	10.1061/(ASCE)WR.1943-5452.0000583
2	Berardi, L., Giustolisi, O. , Ridolfi, L. (2015). "General metrics for segmenting infrastructure networks." <i>Journal of Hydroinformatics</i> , IWA-IAHR, UK, 17 (4), 505–517.	10.2166/hydro.2015.102
3	Giustolisi, O. , Moosavian , N. (2014). "Testing linear solvers for global gradient algorithm." <i>Journal of Hydroinformatics</i> , IWA-IAHR, UK, IWA-IAHR, UK, 16 (5), 1178–1193. Online publication: 10/05/2014	10.2166/hydro.2014.136
4	Laucelli, D., Giustolisi, O. (2014). "Vulnerability assessment of water distribution networks under seismic actions." <i>Journal of Water Resource Planning and Management</i> , ASCE, USA, 140 (10), 04014082-1-13.	1061/(ASCE)WR.1943-5452.0000478
5	Giustolisi, O. , Ridolfi, L. (2014). "A novel infrastructure modularity index for the segmentation of water distribution networks." <i>Water Resource Research</i> , USA, 50 (10), 7648–7661 .	10.1002/2014WR016067
6	Giustolisi, O. , Ridolfi, L. (2014). "A new modularity-based approach to segmentation of water distribution network." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 140 (10), 04014049 1-14	10.1061/(ASCE)HY.1943-7900.0000916
7	Laucelli, D., Rajani, B., Kleiner, Y., Giustolisi, O. (2014). "Study on the relationship between weather and pipe bursts using evolutionary-based modelling." <i>Journal of Hydroinformatics</i> , IWA-IAHR, UK, 16 (4), 743–757. Online publication: 17/12/2013.	10.2166/hydro.2013.082
8	Berardi, L., Ugarelli, R. , Røstum, J., Giustolisi, O. , (2014). "Assessing mechanical vulnerability in water distribution networks under multiple failures." <i>Water Resource Research</i> , USA, 50 (3), 2586–2599	10.1002/2013WR014770
9	Giustolisi, O. , Berardi, L., Laucelli, D. (2014). "Optimal water distribution network design accounting for valve shutdowns." <i>Journal of Water Resource Planning and Management</i> , ASCE, USA, 140(3), 327–338, Online publication: 31/10/2012.	10.1061/(ASCE)WR.1943-5452.0000327
10	Giustolisi, O. , Berardi, L., Laucelli, D. (2014). "Modeling local water storages delivering customer-demands in WDN models." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 140(1), 1–16, Online publication: 25/07/2013.	10.1061/(ASCE)HY.1943-7900.0000812
11	Berardi, L. Laucelli, D., Simeone, V., Giustolisi, O. , (2013). "Simulating floods in ephemeral streams in southern Italy by full-2d hydraulic models." <i>International Journal of River Basin Management</i> , Taylor & Francis, UK, 11(1), 1–17. Online publication: 12/11/2012.	10.1080/15715124.2012.746975
12	Giustolisi, O. , Laucelli, D., Berardi, L. (2013). "Operational optimization: water losses vs. energy costs." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 139(4), 410–423.	10.1061/(ASCE)HY.1943-7900.0000681
13	Doglioni, A., Simeone, V., Giustolisi, O. , (2012). "The activation of ephemeral streams in karst catchments of semi-arid regions." <i>Catena</i> , Elsevier Science, The Netherlands. 99, 54 – 65.	10.1016/j.catena.2012.07.008
14	Laucelli, D., Berardi, L., Giustolisi, O. , (2012). "Assessing climate change and asset deterioration impacts on water distribution networks: demand-driven or pressure-driven network modeling ?" <i>Environmental Modelling & Software</i> , Elsevier Science, The Netherlands, 27(11), 206 – 216.	10.1016/j.envsoft.2012.04.004



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15	Giustolisi, O. , Berardi, L., Laucelli, D. (2012). "Accounting for directional devices in WDN modeling." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 138(10), 858 – 869.	10.1061/(ASCE)HY.1943-7900.0000585
16	Giustolisi, O. , Berardi, L., Laucelli, D., (2012). "Generalizing WDN simulation models to variable tank levels." <i>Journal of Hydroinformatics</i> , IWA-IHAR, UK, 14(3), 562 – 573.	10.2166/hydro.2011.224
17	Ostfeld, A., Giustolisi, O. , and Various authors (2012). "The Battle of the Water Calibration Networks (BWCN)." <i>Journal of Water Resource Planning and Management</i> , ASCE, 138(5), 523 – 532.	10.1061/(ASCE)WR.1943-5452.0000191
18	Giustolisi, O. , Walski, T.M. , (2012). "A Demand Components in Water Distribution Network Analysis." <i>Journal of Water Resource Planning and Management</i> , ASCE, USA, 138(4), 356 – 367.	10.1061/(ASCE)WR.1943-5452.0000187
19	Giustolisi, O. , Laucelli, D., Berardi, L., Savic, D.A. (2012). "A Computationally efficient modeling method for large size water network analysis." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 138(4) , 313 – 326.	10.1061/(ASCE)HY.1943-7900.0000517
20	Giustolisi, O. , Laucelli, D., (2011). "Water distribution networks pressure-driven analysis using EGGA." <i>Journal of Water Resources Planning and Management</i> , ASCE, USA, 137(6), 498 – 510.	10.1061/(ASCE)WR.1943-5452.0000140
21	Ahangar-Asr, A., Faramarzi, A., Javadi, A.A., Giustolisi, O. (2011). "Modelling Mechanical Behaviour of Rubber Concrete Using Evolutionary Polynomial Regression." <i>Engineering Computations</i> , Emerald, UK, 28(4), 492 – 507.	10.1108/02644401111131902
22	Laucelli, D., Giustolisi, O. (2011). "Scour depth modelling by a multi-objective evolutionary paradigm." <i>Environmental Modelling & Software</i> , Elsevier Science, Netherlands, 26(4), 498 – 509.	10.1016/j.envssoft.2010.10.013
23	Giustolisi, O. , Berardi, L., (2011), "Water Distribution Network calibration using Enhanced GGA and topological analysis." <i>Journal of Hydroinformatics</i> , IWA, UK, 13(4), 621 – 641.	10.2166/hydro.2010.088
24	Giustolisi, O. , Berardi, L., Walski, T.M. (2011), "Some explicit formulations of Colebrook-White friction factor considering accuracy vs. computational speed." <i>Journal of Hydroinformatics</i> , IWA, UK. 13(3), 401 – 418.	10.2166/hydro.2010.098
25	Giustolisi, O. , (2010). "Considering actual pipe connections in WDN analysis." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 136(11), 889 – 900.	10.1061/(ASCE)HY.1943-7900.0000266
26	Berardi, L., Giustolisi, O. , Todini, E. (2010). "Accounting for uniformly distributed pipe demand in WDN analysis: Enhanced GGA." <i>Urban Water Journal</i> , Taylor & Francis, UK, 7(4), 243 – 255.	10.1080/1573062X.2010.491550
27	El-Baroudy, I., Elshorbagy, A., Carey, S.K., Giustolisi, O. , Savic D.A., (2010). "Comparison of Three Data-Driven Techniques in Modelling the Evapotranspiration Process." <i>Journal of Hydroinformatics</i> , IWA, UK, 12(4), 365 – 379.	10.2166/hydro.2010.029
28	Markus, M., Hejazi, M., Bajcsy, P., Giustolisi, O. , Savic, D.A., (2010). "Prediction of Weekly Nitrate-N Fluctuations in a Small Agricultural Watershed in Illinois." <i>Journal of Hydroinformatics</i> , IWA, UK, 12(3), 251 – 261.	10.2166/hydro.2010.064
29	Doglioni, A., Mancarella, D., Simeone, V., Giustolisi, O. , (2010), "Inferring Groundwater Dynamics from Time Series Data." <i>Hydrological Science Journal</i> IAHS, UK, 55(4), 593 – 608.	10.1080/02626661003747556
30	Giustolisi, O. , Savic, D.A. (2010). "Identification of segments and optimal isolation valve system design in water distribution networks." <i>Urban Water Journal</i> , Taylor & Francis, UK, 7(1), 1 – 15.	10.1080/15730620903287530
31	Rezania, M., Javadi, A.A., Giustolisi, O. , (2010). "Evaluation of liquefaction potential based on CPT results using Evolutionary Polynomial Regression." <i>Computers and Geotechnics</i> , Elsevier Sc., 27(1-2), 82 – 92.	10.1016/j.compgeo.2009.07.006
32	Giustolisi, O. , Berardi, L., (2009). "Prioritizing Pipe Substitution Considering	10.1061/(ASCE)0733-



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	Multiple Objective." <i>Journal of Water Resources Planning and Management</i> , ASCE, USA, 135(6), 484 – 492.	9496(2009)135:6(484)
33	Doglioni, A., Primativo, F., Laucelli, D., Monno, V., Soon-Thiam W., Giustolisi, O. (2009). "An integrated modeling approach for the assessment of land use change effects on wastewater infrastructures." <i>Environmental Modelling & Software</i> , Elsevier Science, Netherlands, 24(6), 1522 – 1528.	10.1016/j.ensoft.2009.06.006
34	Berardi, L., Giustolisi, O. , Savic, D.A., Kapelan, Z., (2009). "An effective multi-objective approach to prioritisation of sewer pipe inspection." <i>Water Science and Technology</i> , IWA, UK, 60(4), 841 – 850.	10.2166/wst.2009.432
35	Giustolisi, O. , Savic, D.A., (2009), "Advances in Data-Driven Analyses and Modelling Using EPR-MOGA." Special Issue on <i>Advances in Hydroinformatics</i> , <i>Journal of Hydroinformatics</i> , IWA,UK, 11(3), 225 – 236.	10.2166/hydro.2009.017
36	Savic, D.A., Giustolisi, O. , Laucelli, D., (2009). "Asset deterioration analysis using multi-utility data and multi-objective data mining techniques." Special Issue on <i>Advances in Hydroinformatics</i> , <i>Journal of Hydroinformatics</i> , IWA, UK, 11(3), 212 – 224.	10.2166/hydro.2009.019
37	Giustolisi, O. , Laucelli, D., Colombo, A., (2009). "Deterministic vs. Stochastic Design of Water Distribution Networks." <i>Journal of Water Resources Planning and Management</i> , ASCE, USA, 135(2), 117 – 127.	10.1061/(ASCE)0733-9496(2009)135:2(117)
38	Giustolisi, O. , Todini, E. (2009). "Pipe hydraulic resistance correction in WDN analysis." Special Issue on <i>WDS Model Calibration, Urban Water Journal</i> , Taylor & Francis, UK, 6(1), 39 – 52.	10.1080/15730620802541623
39	Giustolisi, O. , Kapelan, Z., Savic, D.A., (2008). "Extended Period Simulation Analysis Considering Valve Shutdowns." <i>Journal of Water Resources Planning and Management</i> , ASCE, USA, 134(6), 527 – 537.	10.1061/(ASCE)0733-9496(2008)134:6(527)
40	Rezania, M., Javadi, A.A., Giustolisi, O. , (2008). "An Evolutionary-Based Data Mining Technique for Assessment of Civil Engineering Systems." <i>Engineering Computations: International Journal for Computer-Aided Engineering and Software</i> , Emerald, UK, 25(6), 500 – 517.	10.1108/02644400810891526
41	Giustolisi, O. , Savic, D.A., Kapelan, Z., (2008). "Pressure-Driven Demand and Leakage Simulation for Water Distribution Networks." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 134(5), 626 – 635.	10.1061/(ASCE)0733-9429(2008)134:5(626)
42	Giustolisi, O. , Kapelan, Z., Savic, D.A., (2008). "An Algorithm for Automatic Detection of Topological Changes in Water Distribution Networks." <i>Journal of Hydraulic Engineering</i> , ASCE, USA, 134(4), 435 – 446.	10.1061/(ASCE)0733-9429(2008)134:4(435)
43	Berardi, L., Kapelan, Z., Giustolisi, O. , Savic, D.A., (2008). "Development of pipe deterioration models for Water Distribution Systems using EPR." <i>Journal of Hydroinformatics</i> , IWA, UK, 10(2), 113 – 126.	10.2166/hydro.2008.012
44	Giustolisi, O. , Doglioni, A., Laucelli, D., (2008). "Determination of Friction Factor for Corrugated Drains." <i>Water Management Journal</i> , ICE, UK, 161(1), 31 – 42.	10.1680/wama.2008.161.1.31
45	Giustolisi, O. , Doglioni, A., Savic, D.A., di Pierro, F., (2008). "An Evolutionary Multi-Objective Strategy for the Effective Management of Groundwater Resources." <i>Water Resource Research</i> , USA, 44, W01403.	10.1029/2006WR005359
46	Doglioni, A., Giustolisi, O. , Savic, D.A., Webb, B.W., (2008). "An Evolutionary Approach to Stream Temperature Analysis." <i>Hydrological Processes</i> , John Wiley & Sons, UK, 22(3), 315 – 326.	10.1002/hyp.6607
47	Laucelli, D., Giustolisi, O. , Babovic, V., Kejizer, M., (2007). "Ensemble Modelling by Bootstrap Technique." <i>Journal of Hydroinformatics</i> , IWA,UK, 9(2), 95 – 106.	10.2166/hydro.2007.102



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48	Giustolisi, O. , Doglioni, A., Savic, D.A., Webb, B., (2007). "A Multi-Model Approach to Analysis of Environmental Phenomena." <i>Environmental Modelling & Software</i> , Elsevier Science, Netherlands, 22(5), 674 – 682.	10.1016/j.en-vsoft.2005.12.026
49	Giustolisi, O. , Laucelli, D., Savic, D.A., (2006). "Development of Rehabilitation Plans for Water Mains Replacement Considering Risk and Cost-Benefit Assessment." <i>Journal of Civil Engineering and Environmental Systems</i> , Taylor & Francis, UK, 23(3), 175 – 190.	10.1080/10286600600789375
50	Giustolisi, O. , Simeone, V., (2006). "Multi-Objective Strategy in Artificial Neural Network Construction." <i>Hydrological Sciences Journal</i> , IAHS Press CEH Wallingford, UK, 51(3), 502 – 523.	10.1623/hysj.51.3.502
51	Savic, D.A., Giustolisi, O. , Berardi, L., Shepherd, W., Djordjevic, S., Saul, A. (2006), "Sewers Failure Analysis Using Evolutionary Computing." <i>Water Management Journal</i> , ICE, UK, 159(2), 111 – 118.	10.1680/wama.2006.159.2.11
52	Giustolisi, O. , (2006). "Using Multi-Objective Genetic Algorithm for SVM Construction." <i>Journal of Hydroinformatics</i> , IWA-IAHR Publishing, UK, 8(2), 125 – 139.	10.2166/hydro.2006.016
53	Giustolisi, O. , Savic, D.A., (2006). "A Symbolic Data-driven Technique Based on Evolutionary Polynomial Regression." <i>Journal of Hydroinformatics</i> , IWA, UK, 8(3), 207 – 222.	10.2166/hydro.2006.020
54	Giustolisi, O. , Laucelli, D., (2005), "Increasing Generalisation of Input-Output Artificial Neural Networks in Rainfall-Runoff Modelling." <i>Hydrological Sciences Journal</i> , IAHS Press CEH Wallingford, UK, 50(3), 439 – 457.	10.1623/hysj.50.3.439.65025
55	Giustolisi, O. , (2004). "Using Genetic Programming to Determine Chèzy Resistance Coefficient in Corrugated Channels." <i>Journal of Hydroinformatics</i> , IWA, UK, 6(3), 157 – 173.	
56	Giustolisi, O. , (2004) "Sparse Solution in Training Artificial Neural Network." <i>NeuroComputing</i> , Elsevier Sc., Netherlands, 56C, 284 – 304.	10.1016/j.neu-com.2003.09.005

International Book/Proceedings (2004 -)

ID	Authors, Year, Title, Conference Name, Editors Proceedings, Location	ISBN
1	Laucelli D, Berardi L, Politano G, Giustolisi O (2014). Seismic Reliability Assessment of Water Distribution Networks. In: 12th International Conference on Computing and Control for the Water Industry, CCWI2013. PROCEDIA ENGINEERING, vol. 70, p. 998-1007, ISSN: 1877-7058, Perugia, 2-4 September 2013	doi: 0.1016/j.pro-eng.2014.02.111
2	Berardi L, Laucelli D., Giustolisi O. (2014). "Accounting for Local Water Storages in Assessing WDN Supply Capacity". In: 12th International Conference on Computing and Control for the Water Industry, CCWI2013. PROCEDIA ENGINEERING, vol. 70, p. 142-151, ISSN: 1877-7058, Perugia, 2-4 September 2013	doi: 10.1016/j.pro-eng.2014.02.017
3	Berardi L., Liu S., Laucelli D., Xu S., Xu P., Zeng W., Giustolisi O. (2014). "Energy Saving and Leakage Control in Water Distribution Networks: A Joint Research Project between Italy and China." In: 12th International Conference on Computing and Control for the Water Industry, CCWI2013. PROCEDIA ENGINEERING, vol. 70, p. 152-161, ISSN: 1877-7058, Perugia, 2-4 September 2013	doi: 10.1016/j.pro-eng.2014.02.018
4	Giustolisi O. , Berardi L, Laucelli D (2014). "Supporting Decision on Energy vs. Asset Cost Optimization in Drinking Water Distribution Networks." In: 12th International Conference on Computing and Control for the Water Industry, CCWI2013. PROCEDIA ENGINEERING, vol. 70, p. 734-743, ISSN: 1877-7058, Perugia, 2-4 September 2013	doi: 10.1016/j.pro-eng.2014.02.080
5	Berardi, L., Laucelli, D., Giustolisi, O. , (2012), "A decision support tool for operational	978-1-922197-58-9



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	optimization in WDNetXL”, Water Distribution Systems Analysis, WDSA 2012, The Institution of Engineers, Australia 11 National Circuit, Barton, ACT 2600, Australia, pp 48-65.	
6	Ugarelli, R., Røstum, J., Giustolisi, O. , (2012), “Reliability analysis of the water distribution network of Oslo using WDNetXL”, Water Distribution Systems Analysis, WDSA 2012, The Institution of Engineers, Australia 11 National Circuit, Barton, ACT 2600, Australia, pp 1072-1087.	978-1-922197-58-9
7	Walski, T.M., Giustolisi, O. , (2012), “An overview of water demand: volume vs. pressure based demands”, Water Distribution Systems Analysis, WDSA 2012, The Institution of Engineers, Australia 11 National Circuit, Barton, ACT 2600, Australia, pp 1392-1399.	978-1-922197-58-9
8	Laucelli, D., Berardi, L., Doglioni, A. and Giustolisi, O. , (2012). “EPR-MOGA-XL: an excel based paradigm to enhance transfer of research achievements on data-driven modeling”, Proceedings of 10th International Conference on Hydroinformatics HIC 2012, 14-18 July, Hamburg, Germany, R. Hinkelmann, M.H. Nasermoaddeli, S.Y. Lioung, D. Savic, P. Fröhle (Eds).	978-3-941492-45-5
9	Laucelli, D., Berardi, L. and Giustolisi, O. , (2012). “An efficient paradigm to transfer research results on data-driven modeling: the case of ANN-MOGA-XL”, Proceedings of 10th International Conference on Hydroinformatics HIC 2012, 14-18 July, Hamburg, Germany, R. Hinkelmann, M.H. Nasermoaddeli, S.Y. Lioung, D. Savic, P. Fröhle (Eds).	978-3-941492-45-5
10	Berardi, L., Laucelli, D., Giustolisi, O. , (2012). “A comparison between demand-driven and pressure-driven network modeling paradigms to assess climate change and asset deterioration impacts on water distribution networks”, Proceedings of 10th International Conference on Hydroinformatics HIC 2012, 14-18 July, Hamburg, Germany, R. Hinkelmann, M.H. Nasermoaddeli, S.Y. Lioung, D. Savic, P. Fröhle (Eds).	978-3-941492-45-5
11	Doglioni, A. Berardi, L., Simeone V., Giustolisi, O. , (2012). “Activation of ephemeral streams in semi-arid regions” Proceedings of the 5th International Perspective on Water Resources and the Environment IPWE 2012, ASCE, Marrakech, Morocco.	
12	Doglioni, A. Berardi, L., Simeone V., Giustolisi, O. , (2012). “Full-2D rainfall runoff hydraulic modeling for delimitation of flood prone areas”, Proceedings of the 5th International Perspective on Water Resources and the Environment IPWE 2012, ASCE, Marrakech, Morocco.	
13	Berardi, L., Laucelli, D., Giustolisi, O. , (2011), “Supporting flooding risk assessment in ephemeral streams in Southern Italy”, Proceedings of Computer and Control in Water Industry (CCWI), September 5-7, Exeter, UK, D.A..Savic, Z. Kapelan, D. Butler (Eds) Vol. 1, pp 229-234.	0-9539140-5-4
14	Giustolisi, O. , Savic, D.A., Berardi, L., Laucelli, D., (2011), “An Excel-based solution to bring water distribution network analysis closer to users”, Proceedings of Computer and Control in Water Industry (CCWI), September 5-7, Exeter, UK, D.A..Savic, Z. Kapelan, D. Butler (Eds) Vol. 3, pp 805-810.	0-9539140-8-9
15	Laucelli, D., Berardi, L., Giustolisi, O. , (2011), “A proposal of topological sampling design”, Proceedings of Computer and Control in Water Industry (CCWI), September 5-7, Exeter, UK, D.A..Savic, Z. Kapelan, D. Butler (Eds) Vol. 3, pp 811-816.	0-9539140-8-9
16	Giustolisi, O. , Savic, D.A., Laucelli, D., Berardi, L., (2011), “Testing linear solvers for WDN models”, Proceedings of Computer and Control in Water Industry (CCWI), September 5-7, Exeter, UK, D.A..Savic, Z. Kapelan, D. Butler (Eds) Vol. 3, pp 817-822.	0-9539140-8-9



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17	Savic, D.A., Giustolisi, O. , (2011), "Simplification strategies for water distribution system modelling", Proceedings of 34 th IAHR World Congress, June 26 - July 1, Brisbane, AU,	9780858258686
18	Doglioni, A., Simeone, V., and Giustolisi, O. , (2011), "Karst and porous aquifer dynamic analysis by EPR", Proceedings of the 4 th ASCE-EWRI International Perspective on Water Resources & the Environment (formerly entitled Singapore 2011), ASCE (CD-ROM).	
19	Berardi, L., Laucelli, D., Giustolisi, O. , (2011), "Comprehensive approach to short-time planning of water distribution network rehabilitation", Proceedings of the 4 th ASCE-EWRI International Perspective on Water Resources & the Environment (formerly entitled Singapore 2011), ASCE (CD-ROM).	
20	Giustolisi, O. , Laucelli, D., Savic, D.A., (2010), "Simulation and component analysis of water distribution networks", 9 th International Conference on Hydroinformatics, HIC 2010, Tianjin, China, J. Tao, Q. Chen & S.Y. Liang (Eds), Research Publishing, Vol. 2, pp 837-844.	978-7-122-09314-1
21	Berardi, L., Laucelli, D., Giustolisi, O. , (2010), "Accounting for uncertainty of variables in data-driven modelling by EPR", 9 th International Conference on Hydroinformatics, HIC 2010, Tianjin, China, J. Tao, Q. Chen & S.Y. Liang (Eds), Research Publishing, Vol. 2, pp 1009-1017.	978-7-122-09314-1
22	Burovskiy, P., Kapelan, Z., Savic, D.A., Giustolisi, O. , (2010), "An attempt to improve numerical stability of EPANET 2 hydraulic solver", 9 th International Conference on Hydroinformatics, HIC 2010, Tianjin, China, J. Tao, Q. Chen & S.Y. Liang (Eds), Research Publishing, Vol. 1, pp 172-178.	978-7-122-09314-1
23	Guidolin, M., Savic, D.A., Kapelan, Z., Giustolisi, O. , (2010), "High performance hydraulic simulations with EPANET on Graphics Processing Units", 9 th International Conference on Hydroinformatics, HIC 2010, Tianjin, China, J. Tao, Q. Chen & S.Y. Liang (Eds), Research Publishing, Vol. 2, pp 897-904.	978-7-122-09314-1
24	Giustolisi, O. , Savic, D.A., Kapelan, Z., (2010), "Analysis of simplification errors for water distribution models", Water Distribution Systems Analysis, WDSA 2010, Tucson, Arizona.	978-0-7844-1203-9 Doi: 10.1061/41203(425)125
25	Berardi, L., Laucelli, D., Giustolisi, O. , (2010), "A tool for preliminary WDN topological analysis", Water Distribution Systems Analysis, WDSA 2010, Tucson, Arizona.	978-0-7844-1203-9 Doi:10.1061/41203(425)23
26	Laucelli, D., Berardi, L., Giustolisi, O. , (2010), "Advancements in water distribution network simulation by Enhanced GGA", Water Distribution Systems Analysis, WDSA 2010, Tucson, Arizona.	Doi:10.1061/41203(425)7 978-0-7844-1203-9
27	Laucelli, D., Vamvakridou-Lyroudia, L.S., Kapelan, Z., Savic, D.A., Berardi, L., Barbaro, G., Giustolisi, O. , "Calibration of water distribution system using topological analysis", Water Distribution Systems Analysis, WDSA 2010, Tucson, Arizona.	Doi:10.1061/41203(425)147 978-0-7844-1203-9
28	Giustolisi O. , (2009), "Comprehensive pressure-driven analysis of WDN using GIS data", Invited in World City Water Forum 2009, U-City & Hydroinformatics Special Symposium, August 18-2, Incheon Seul, Korea, CD-ROM Edition, University of Incheon R&D Center, Songdo-Dong, Yoensu-Gu, Incheon, 406-840, Korea, pp. 2138-2150.	ISSN: 2092-6464



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29	Giustolisi, O. , Berardi, L., Todini, E., (2009), "Advancements on pipe hydraulic resistance correction in WDN analysis", Proceedings of Computer and Control in Water Industry (CCWI), September 2-4, Sheffield, UK, Boxal and Maksimovic. (eds), Taylor & Francis Group, London, pp. 217-223.	978-0-415-54851-9
30	Giustolisi, O. , Doglioni, A., Laucelli, D., (2009), "Pressure driven analysis of water distribution networks based on the knowledge of the actual connection to properties", in proceedings of Computer and Control in Water Industry (CCWI), September 2-4, Sheffield, UK, Boxal and Maksimovic. (eds), Taylor & Francis Group, London, pp. 209-215.	978-0-415-54851-9
31	Doglioni, A., Primativo, F., Giustolisi, O. , (2009), "A more realistic simulation of a real water distribution system based on an enhanced demand driven model", in proceedings of Computer and Control in Water Industry (CCWI), September 2-4, Sheffield, UK, Boxal and Maksimovic. (eds), Taylor & Francis Group, London, pp. 195-201.	978-0-415-54851-9
32	Laucelli, D., Doglioni, A., Giustolisi, O. , (2009), "Hydraulic reliability analysis using a pressure-driven network simulation model", in proceedings of Computer and Control in Water Industry (CCWI), September 2-4, Sheffield, UK, Boxal and Maksimovic. (eds), Taylor & Francis Group, London, pp. 233-239.	978-0-415-54851-9
33	Doglioni, A., Giustolisi, O. , Marano, G., (2009), "Automatic design of water distribution systems: a comparison among different optimization techniques based on genetic algorithms", 1 st International Conference on Soft Computing Technology in Civil, Structural and Environmental Engineering (CSC2009), Funchal, Madeira Island, Portugal, September 1-4.	
34	Giustolisi, O. , (2009), "Enhanced WDN Analysis: Representation of Actual Pipe Connections", Environmental & Water Resources Congress 2009 - Great Rivers, May 17-21, Kansas City, Missouri, USA, ASCE Publisher, S. Starrett Editor, (CD-ROM Edition) pp. 219-227.	978-0-7844-1036-3 doi:10.1061/41036(342)22
35	Berardi, L., Giustolisi, O. , Todini, E. (2009), "Enhanced Global Gradient Algorithm: a general formulation", Environmental & Water Resources Congress 2009 - Great Rivers, May 17-21, Kansas City, Missouri, USA, ASCE Publisher, S. Starrett Editor, (CD-ROM Edition) pp. 209-218.	978-0-7844-1036-3 doi:10.1061/41036(342)21
36	Berardi, L., Giustolisi, O. , Savic, D.A. (2009), "An operative approach to water distribution system rehabilitation", Environmental & Water Resources Congress 2009 - Great Rivers, May 17-21, Kansas City, Missouri, USA, ASCE Publisher, S. Starrett Editor, (CD-ROM Edition) pp. 238-250.	978-0-7844-1036-3 doi:10.1061/41036(342)24
37	Laucelli, D., Giustolisi, O. , Savic, D.A., (2009), "Data-based modeling: a comparison between artificial neural networks and evolutionary polynomial regression", 8 th International Conference on Hydroinformatics, HIC 2009, Concepción, Chile, 12 th – 16 th January, (CD-ROM edition).	978-981-08-2099-2
38	Doglioni, A., Giustolisi, O. , Joksimovic, D., Kapelan, Z., Savic, D.A., (2009), "Induction of lagrangian sewer flow models using evolutionary polynomial regression", 8 th International Conference on Hydroinformatics, HIC 2009, Concepción, Chile, 12 th – 16 th January, (CD-ROM edition).	978-981-08-2099-2
39	Savic, D.A., Giustolisi, O. , Laucelli, D. (2008), "Asset performance analysis using multi-utility data and multi-objective data mining techniques", Proc. 11th International Conference on Urban Drainage, (ICUD), Edinburgh, UK, CD-ROM edition.	
40	Berardi, L., Giustolisi, O. , Savic, D.A., Kapelan, Z. (2008), "An effective multi-objective approach for prioritisation of sewer pipe inspections", Proc. 11th International Conference	



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	on Urban Drainage, (ICUD), Edinburgh, UK, CD-ROM edition.	
41	Doglioni, A., Primativo, F., Giustolisi, O. , Carbonara, A. (2008), "Scenarios of contaminant diffusion on a medium size urban water distribution network", Water Distribution Systems Analysis, WDSA 2008, Kruger National Park, South Africa, ASCE, Reston, Va., pp. 951-965.	978-0-7844-1024-0 doi:10.1061/41024(340)84
42	Berardi, L., Colombo, A., Giustolisi, O. , (2008) "Optimal pipe replacement accounting for leakage reduction and isolation valves", Water Distribution Systems Analysis, WDSA 2008, Kruger National Park, South Africa, ASCE, Reston, Va., pp. 638-651.	978-0-7844-1024-0 doi:10.1061/41024(340)54
43	Giustolisi, O. , Kapelan, Z., Savic, D.A., (2008), "Detecting topological changes in large water distribution networks", Water Distribution Systems Analysis, WDSA 2008, Kruger National Park, South Africa, ASCE, Reston, Va., pp. 865-872.	978-0-7844-1024-0 doi:10.1061/41024(340)75
44	Giustolisi, O. , Savic, D.A., (2008), "Optimal design of isolation valve system for water distribution networks", Water Distribution Systems Analysis, WDSA 2008, Kruger National Park, South Africa, ASCE, Reston, Va., pp. 348-360.	978-0-7844-1024-0 doi:10.1061/41024(340)31
45	Laucelli, D., Giustolisi, O. Todini, E., (2008), "New concepts and tools for pipe network design", Water Distribution Systems Analysis, WDSA 2008, Kruger National Park, South Africa, ASCE, Reston, Va., pp. 242-253.	978-0-7844-1024-0 doi:10.1061/41024(340)22
46	Giustolisi, O. , (2008), "New Tools for More Realistic Network Simulation and Reliability Assessments", Proc. of WEX Workshop, Marbella, Spain (CD-ROM).	
47	Savic, D.A., Kapelan, Z., Farmani, R., Giustolisi, O. , (2007), "Optimal design and management of water distribution systems", Proc. Workshop on Numerical Modelling of Hydrodynamics for Water Resources, Zaragoza, Spain.	
48	Mancarella, D., Doglioni, A., Simeone, V., Giustolisi, O. , (2007), "Inferring groundwater dynamics from time series data", International Conference ModelCARE 2007, Calibration and Reliability in Groundwater Modelling. Copenhagen September 9-13.	
49	Giustolisi, O. , Kapelan, Z., Savic, D.A., (2007), "A hydraulic simulation model for pipe networks with leakage outflows and pressure-driven demand", World Environmental and Water Resources Congress, EWRI 2007, Tampa, Florida, (CD-ROM).	0-7844-0927-7 doi:10.1061/40927(243)454
50	Giustolisi, O. , Kapelan, Z., Savic, D.A., (2007), "A simulation model for detecting topological changes in a water distribution network", World Environmental and Water Resources Congress, EWRI 2007, Tampa, Florida, (CD-ROM).	0-7844-0927-7 doi:10.1061/40927(243)504
51	Giustolisi, O. , Laucelli, D., (2007), "More realistic water distribution network design using pressure-driven demands and leakages", in proceedings of Computer and Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 177-183.	978-0-415-45415-5
52	Giustolisi, O. , Berardi, L., (2007), "Pipe level burst prediction using EPR and MCS-EPR", in proceedings of Computer and Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 39-46.	978-0-415-45415-5
53	Giustolisi, O. , Doglioni, A., (2007), "A pressure-driven approach for water distribution system modelling", in proceedings of Computer and Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 143-149.	978-0-415-45415-5
54	Laucelli, D., Colombo, A., Mastrorilli, M., Giustolisi, O. , (2007), "Deterministic design as starting point for Stochastic multi-objective design of water distribution networks", in proceedings of Computer and Control in Water Industry (CCWI) - Water Management	978-0-415-45415-5



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	Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 397-404.	
55	Berardi, L., Giustolisi, O. , Primativo, F., (2007), “Exploiting multi-objective strategies for optimal rehabilitation planning”, in proceedings of Computer and Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 23-30.	978-0-415-45415-5
56	Colombo, A., Giustolisi, O. , (2007), “A metamodelling approach for water system calibration”, in proceedings of Computer and Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 137-142.	978-0-415-45415-5
57	Doglioni, A., Primativo, F., Savic, D., Giustolisi, O. , (2007), “Possible scenarios of contaminant diffusion in water distribution systems: which is the best moment to place a strike?”, in proceedings of Computer and Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 257-263.	978-0-415-45415-5
58	Kapelan, Z., Giustolisi, O. , Savic, D., (2007), “Procedure for the risk assessment of water supply interruption due to mechanical pipe failures”, in proceedings of Computer and Control in Water Industry (CCWI) - Water Management Challenges in Global Changes – Ulaniki et al. (eds), Taylor & Francis Group, London, pp. 55-59, ISBN 978-0-415-45415-5.	
59	Kapelan, Z., Savic, D., Giustolisi, O. , Berardi, L., (2006), “Development of water and wastewater pipe failure prediction models using EPR”, Proc. 14, Savetovanje DHI, Novi Sad, Serbia, 13-15 Nov 2006, CD-ROM edition, (in Serbian).	
60	Laucelli, D., Colombo A.F., Giustolisi, O. , (2006) “Multi-Objective design of artificial neural networks: pipe failure analysis”, 7 th International Conference on Hydroinformatics, HIC 2006, Nice, France, P. Gourbesville, J. Cunge, V. Guinot & S.Y. Lioung (Eds), Research Publishing, Vol. 1, pp 733-740.	81-903170-1-6
61	Berardi, L., Kapelan, Z., Savic, D.A., Giustolisi, O. , (2006), “Modelling sewer performance indicators”, 7 th International Conference on Hydroinformatics, HIC 2006, Nice, France, P. Gourbesville, J. Cunge, V. Guinot & S.Y. Lioung (Eds), Research Publishing, Vol. 4, pp 2829-2836.	81-903170-1-6
62	Giustolisi, O. , Kapelan, Z., Savic, D.A., (2006), “Multi-objective Evolutionary Polynomial Regression”, 7 th International Conference on Hydroinformatics, HIC 2006, Nice, France, P. Gourbesville, J. Cunge, V. Guinot & S.Y. Lioung (Eds), Research Publishing, Vol. 1, pp 725-732.	81-903170-1-6
63	Mancarella, D., Doglioni, A., Simeone, V., Giustolisi, O. , (2006), “Seeking scientific knowledge from environmental time series data”, 7 th International Conference on Hydroinformatics, HIC 2006, Nice, France, P. Gourbesville, J. Cunge, V. Guinot & S.Y. Lioung (Eds), Research Publishing, Vol. 2, pp 1407-1414.	81-903170-1-6
64	Berardi, L., Savic, D.A., Giustolisi, O. , (2005), “Investigation of burst-prediction formulas for water distribution systems by evolutionary computing”, Computer and Control in Water Industry (CCWI), Vol.2, pp. 275-280.	09 5391 403 8
65	Giustolisi, O. , Laucelli, D., Savic, D.A., (2005), “A decision support framework for short-time planning of rehabilitation”, Computer and Control in Water Industry (CCWI), Vol.1, pp. 39-44.	09 5391 402 X
66	Giustolisi, O. , Doglioni, A., (2005), “Water Distribution Systems analysis”, Computer	09 5391 402 X



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	and Control in Water Industry (CCWI), Vol.1, pp. 51-56.	
67	Giustolisi, O. , Mastrorilli, M., (2005), "A simple sampling design strategy for water distribution systems", Computer and Control in Water Industry (CCWI), Vol.1, pp. 179-184.	09 5391 402 X
68	Giustolisi, O. , Savic, D.A., (2004), "Decision Support for Water Distribution System Rehabilitation Using Evolutionary Computing", ACTUI International Conference, Exeter, UK. pp.76-83.	0-9539140-1-1
69	Giustolisi, O. , Savic, D.A., (2004), "A Novel Genetic Programming Strategy: Evolutionary Polynomial Regression", Hydroinformatics 2004, Singapore, Liong, Phoon & Babovic (eds), World Scientific Publishing Company, Vo.1, pp. 787-794.	981-238-787-0
70	Giustolisi, O. , Savic, D.A., Doglioni, A., (2004), "Data Reconstruction and Forecasting by Evolutionary Polynomial Regression", Hydroinformatics 2004, Singapore, Liong, Phoon & Babovic (eds), World Scientific Publishing Company, Vo.2, pp. 1245-1252.	981-238-787-0
71	Giustolisi, O. , Savic, D.A., Doglioni, A., Laucelli, D., (2004), "Knowledge Discovery by Evolutionary Polynomial Regression", Hydroinformatics 2004, Singapore, Liong, Phoon & Babovic (eds), World Scientific Publishing Company, Vo.2, pp. 1647-1654.	981-238-787-0
72	Giustolisi, O. , Laucelli, D., (2004), "A new method to train Multi-layer Perceptrons as Support Vector Machines", Hydroinformatics 2004, Singapore, Liong, Phoon & Babovic (eds), World Scientific Publishing Company, Vo.2, pp. 1605-1612.	981-238-787-0
73	Giustolisi, O. , Savic, D.A., and Laucelli, D., (2004), "Data Mining for Management and Rehabilitation of Water Systems: The Evolutionary Polynomial Regression Approach", Annual Conference on Hydraulic Engineering, pp. 285-296.	3-86005-414-7
74	Giustolisi, O. , Doglioni, A., Savic, D.A., Webb, B., (2004), "A multi-model approach to analysis of environmental phenomena", Pahl-Wostl, C., Schmidt, S., Rizzoli, A.E. and Jakeman, A.J. (eds), 2 nd Biennial Meeting of the International Environmental Modelling and Software Society, Manno, Switzerland, iEMSs. (Awarded in Student Competition for Natural Systems).	88-900787-1-5
75	Calomino, F., Giustolisi, O. , Laucelli, D., Miglio, A., (2004), "Hydraulics of corrugated pipes and control of sewer solids", Novatech.	
76	Giustolisi, O. , Doglioni, A., Savic, D.A., and. di Pierro F., (2004), "A new multiobjective strategy to support model selection for environmental modelling", 4 th International Workshop on Environmental Applications of Machine Learning Bled, Slovenia, September 27 - October 1.	

National Journals/Book/Proceedings – Reports (2004 -)

ID	Authors, Year, Title, Conference Name, Editors Proceedings, Location	ISBN
1	Berardi L., Laucelli D. Giustolisi O. (2012), "La modellazione idraulica delle grandi reti idriche. Introduzione a un metodo computazionalmente efficiente: EGGA" Quinto Seminario su "La diagnosi e la gestione dei sistemi idrici", L'Acqua, AII, Suppl. al n. 4, pp. 105-112.	ISSN: 1125-1255
2	Laucelli D., Berardi L., Giustolisi O. (2012), "WDNETXL: dalla ricerca italiana uno strumento per la diagnosi e la gestione dei sistemi idrici" Quinto Seminario su "La diagnosi e la gestione dei sistemi idrici", L'Acqua, AII, Suppl. al n. 4, pp. 57-65.	ISSN: 1125-1255
3	Giustolisi, O. Brunone, B., Berardi, L., Ferrante, M., Laucelli, D. , Massari, C., Mastorilli, M., Meniconi, S., Todini, E., (2010) "Recenti Sviluppi nella Simulazione Idraulica	ISSN: 1125-1255



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	delle Reti in Pressione” L’Acqua, Associazione Idrotecnica Italiana, Roma, 2/2010 Marzo-Aprile, pp. 144-150.	
4	Giustolisi O. (2009), “Fattori di correzione e rappresentazione della domanda ai nodi nell’analisi delle reti urbane”, Tecniche per la Difesa dall’inquinamento: 30° Corso di Aggiornamento, Guardia Piemontese (CZ), 16-19 giugno, Editrice Bios s.a.s., Cosenza , Italia.	
5	Giustolisi, O. e Berardi, L. (2008) “Un approccio operativo per pianificare la riabilitazione delle reti”. pp. 501–540. Capitolo 13 del libro: <i>Ricerca e controllo delle perdite nelle reti di condotte - Manuale per una moderna gestione degli acquedotti</i> , a cura di Brunone, B., Ferrante, M. and Meniconi, S., Città Studi Edizioni.	978-88-251-7332-1
6	Laucelli D., Berardi L., Giustolisi O. , Gori R. (2008), “Tecniche data-driven per il controllo degli impianti di depurazione: l’applicazione di EPR”, Proceedings of SIDISA08 (Book of Abstracts – papers on CD-ROM), Firenze (Italy), 24th – 27th June, G. D’Antonio & C. Lubello (eds), Regione Toscana (Ed.), Firenze, Italy, p. 157.	978-88-903557-0-7
7	Doglioni A., Primitivo F., Laucelli D., Monno V., Giustolisi O. , (2008), “Costruzione di un framework integrato per la modellazione del trasporto e del trattamento delle acque reflue!”, Proceedings of SIDISA08 (Book of Abstracts – papers on CD-ROM), Firenze (Italy), 24th – 27th June, G. D’Antonio & C. Lubello (eds), Regione Toscana (Ed.), Firenze, Italy, p. 156.	978-88-903557-0-7
8	Giustolisi, O. , Todini, E., (2008), “On the approximation of distributed demands as nodal demands in WDN analysis”, 31° Convegno Nazionale di Idraulica e Costruzioni Idrauliche, Perugia, 9-12 settembre, Morlacchi Editore, (CD-ROM).	978-88-6074-220-9
9	Berardi, L., Colombo, A., Giustolisi, O. , (2008), “Analisi di affidabilità delle reti in pressione in presenza di valvole di intercettazione”, 31° Convegno Nazionale di Idraulica e Costruzioni Idrauliche, Perugia, 9-12 settembre, Morlacchi Editore, (CD-ROM).	978-88-6074-220-9
10	Primitivo, F., Doglioni, A., Mastrorilli, M., Giustolisi, O. (2008), “Wastewater facilities and urban development: an integrated framework”, 31° Convegno Nazionale di Idraulica e Costruzioni Idrauliche, Perugia, 9-12 settembre, Morlacchi Editore, (CD-ROM).	978-88-6074-220-9
11	Giustolisi, O. , (2008), “La simulazione delle perdite idriche nell’analisi delle reti di distribuzione”, Tecniche per la Difesa dall’inquinamento: 29° Corso di Aggiornamento, Guardia Piemontese (CZ), 18-21 giugno, Editrice Bios s.a.s., Cosenza , Italia, pp. 47-70.	978-88-6074-173-8
12	Giustolisi, O. , (2007), “Strumenti innovativi per la simulazione del funzionamento di una rete di condotte ed analisi di affidabilità”, Proceedings of the 3 rd Conference “La ricerca delle perdite e la gestione delle reti di acquadotto”, Perugia (Italy), 19-21 th September, pp. 43-52.	
13	Giustolisi, O. , Savic, D.A., Kapelan, Z., (2007), “Un modello di simulazione idraulica delle reti di distribuzione per la gestione delle perdite”, Approvvigionamento e Distribuzione Idrica: Esperienza, Ricerca ed Innovazione, Ferrara, 28-29 giugno, pp. 553-565.	978-88-6074-147-9
14	Giustolisi, O. , (2007), “Manutenzione delle reti di distribuzione idrica: dalla modellazione degli indicatori di efficienza al supporto alla decisione”, Tecniche per la Difesa dall’inquinamento: 28° Corso di Aggiornamento, Guardia Piemontese (CZ), 21-24 giugno, Editrice Bios s.a.s., Cosenza , Italia, pp. 41-60.	
15	Kapelan, Z., Savic, D., Giustolisi, O. and Berardi, L., (2007), “Development of clean and wastewater pipe failure prediction models using EPR”, Voda i Sanitarna Tehnika 2, pp. 47-56 (in Serbian).	
16	Mastrorilli, M., Giustolisi, O. , Berardi, L., Laucelli, D., (2006), “La pianificazione della	



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	riabilitazione degli acquedotti”, MANUTENZIONE, Tecnica e Management, N.6, Vol. 2006, pp. 43-49.	
17	Giustolisi, O. , (2006), “Indicatori di efficienza dei sistemi idraulici”, Tecniche per la Difesa dall’inquinamento: 27° Corso di Aggiornamento, Guardia Piemontese (CZ), 21-24 giugno, Editrice Bios s.a.s., Cosenza , Italia. pp. 531-562.	
18	Laucelli, D., Berardi L., Giustolisi, O. , (2005), “A decision framework to support pipes rehabilitation in water distribution systems”, Proceedings of the 2 nd Conference “La ricerca delle perdite e la gestione delle reti di acquadotto”, Perugia (Italy), 22 th September, pp. 75-82.	88-6074-039-8
19	Perchiazzi , G., Giustolisi, O. , Patrono, C., Brienza, N., Giuliani, R., (2005), “Stima della pressione di picco durante ventilazione artificiale mediante Evolutionary Polynomial Regression (EPR)”, Minerva Anestesiologica, No.71, Vo.10 suppl. 2 pp. 87.	
20	Giustolisi, O. , Berardi, L., Doglioni, A., Laucelli, D., (2005), “Automatic robust design of water distribution systems in an uncertain scenario” in Acqua e Città, 1° Convegno Nazionale di Idraulica Urbana (CD-ROM).	88-900282-4-6
21	Giustolisi, O. , Matrulli, M., Savic, D.A., (2005), “Modelling of performance indicators for sewer systems” in Acqua e Città, 1° Convegno Nazionale di Idraulica Urbana (CD-ROM).	88-900282-4-6
22	Giustolisi, O. , Mastorilli, M., Savic, D.A., (2004), “Gestione e Riabilitazione di Sistemi di Distribuzione Idrica: Approccio Data Mining Simbolico”, XXIX Convegno di Idraulica e Costruzioni Idrauliche, Tema C2, N.2, Trento, Italia.	88-7740-382-9
23	Giustolisi, O. , Laucelli, D., Doglioni, A., (2004), “Progettazione Automatica e Ottimizzazione Multi-Obiettivo per Reti di Distribuzione”, XXIX Convegno di Idraulica e Costruzioni Idrauliche, Tema C2, N.6, Trento, Italia.	88-7740-382-9
24	Giustolisi, O. , Doglioni A., Savic, D.A., Laucelli, D., (2004), “A proposal for an effective multi-objective non-dominated genetic algorithm: the OPTimised Multi-Objective Genetic Algorithm: OPTIMOGA”, Report 2004/07. School of Engineering, Computer Science and Mathematics, Centre for Water Systems, University of Exeter, UK.	

Bari, May 2015

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